

## ABSTRACT

Disclosed is a novel method and system for dehairing an animal, providing a system for recycling and safely disposing of chemical and biological wastes produced during such dehairing method. Included in such method are processes for handling sodium production in waste materials, reducing and handling production of  $H_2S$ , removing sulfides from animal  
5 hides, safely disposing of sulfide waste, removing solids from the waste materials, and reducing water and reagent use and disposal.

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